

WET/DRY VACUUM BLOWER 5 GAL. CAPACITY

Model 94282

ASSEMBLY AND OPERATING INSTRUCTIONS



Do to continuing improvements, actual product may differ slightly from the product described herein.



3491 Mission Oaks Blvd., Camarillo, CA 93011 Visit our Web site at: http://www.harborfreight.com

TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USE.

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For technical questions, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Electrical Requirements	120 VAC / 60 Hz / 8 Amp / 3 HP Peak	
Power Plug	3-Prong, Grounded	
Power Cord	18 AWG x 3 C x 100" Long	
Power Switch	2-Position Rocker w/Clear Plastic Cover	
Tank Capacity	5 Gallons	
Air Flow Capacity	125 Cubic Feet @ 2 ¹ / ₂ " Orifice	
Additional Features	Float Valve to Stop Wet Vacuuming When Tank is Full Built-In Storage for Power Cord and Accessories Four Swivel Casters	
Accessories	Three Extension Wands / One Crevice Tool One Floor Nozzle / One Filter / One Dust Bag	
Net Weight	11.7 Pounds	



SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY RULES

WARNING! READ AND UNDERSTAND ALL INSTRUCTIONS Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. SAVE THESE INSTRUCTIONS

WORK AREA

- 1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- 3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers or shields as needed.

ELECTRICAL SAFETY

- 1. Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
- 2. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation I eliminates the need for the three wire grounded power cord and grounded power supply system.
- 3. Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- 4. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 5. Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately. Damaged Power Cords increase the risk of electric shock.
- 6. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These extension cords are rated for outdoor use, and reduce the risk of electric shock.

PERSONAL SAFETY

- 1. Stay alert. Watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- 2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- 3. Avoid accidental starting. Be sure the Power Switch is off before plugging in. Carrying power tools with your finger on the Power Switch, or plugging in power tools with the Power Switch on, invites accidents.

- 4. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power tool in unexpected situations.
- 5. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- 1. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 2. **Do not use the power tool if the Power Switch does not turn it on or off.** Any tool that cannot be controlled with the Power Switch is dangerous and must be replaced.
- 3. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 4. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 5. **Maintain tools with care. Keep the Vacuum Blower clean.** Properly maintained tools are easier to control. Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.
- 6. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- 7. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE

- 1. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 2. When servicing a tool, use only identical replacement parts. Follow instructions in the *"Inspection, Maintenance, And Cleaning"* section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

1. **Maintain labels and nameplates on the Vacuum Blower.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.



Always wear safety impact eye glasses when assembling and using the Vacuum Blower. Using personal safety devices reduce the risk for injury.

- 3. **Maintain a safe working environment.** Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use a power tool in areas near flammable chemicals, dusts, and vapors. Do not use this product in a damp or wet location.
- 4. **Do not force the Vacuum Blower.** This tool will do the work better and safer at the speed and capacity for which it was designed.
- 5. **Never leave the Vacuum Blower unattended when it is plugged into an electrical outlet.** Turn off the tool, and unplug it from its electrical outlet before leaving.
- 6. Avoid accidental electrical shock. Do not handle the Power Switch with wet hands. Never plug the Power Cord of this product into an electrical outlet while standing on a wet or damp surface. Plug the Power Cord of this unit only into a 3-hole, 120 volt, Ground Fault Circuit Interrupter (GFCI), electrical outlet for additional protection from electric shock.
- 7. **Do not unplug the Vacuum Blower by pulling on the Power Cord.** Do not pull or carry the Vacuum Blower by its Power Cord. Keep the Power Cord away from sharp corners or edges.
- 8. Industrial applications must follow OSHA guidelines.
- 9. Always turn off the Vacuum Blower and unplug the unit from its electrical outlet before performing any maintenance or changing accessories.
- 10. **Do not use the Vacuum Blower with any openings blocked.** Keep free of dirt, dust, lint, hair, and anything that may reduce air flow or hinder motor operation.



Do not use the Vacuum Blower to pick up flammable or combustible liquids such as gasoline. Do not use the Vacuum Blower in areas where flammable or combustible liquids may be present. Do not use the Vacuum Blower to pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

12. Do not use the Vacuum Blower as a sprayer of flammable liquids such as oil base paints, lacquers, household cleaners, etc.

- 13. Do not allow children to handle or play with this product.
- 14. Do not use the Vacuum Blower without its Dust Bag and/or Filter in place.
- 15. Do not use the Vacuum Blower if it has been dropped, damaged, left outdoors, or immersed in liquid.
- 16. Do not use the Vacuum Blower to pick up water from containers, i.e., sinks, tubs, barrels, etc.
- 17. Keep the end of the Hose and its accessories away from your face and body.
- 18. Avoid accidental falls. Use extra care when cleaning on stairways.
- 19. Do not vacuum toxic, carcinogenic, combustible, or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides, or other health endangering materials.
- 20. **Do not expose the Vacuum Blower to rain.** Store the unit indoors.
- 21. **WARNING!** People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker.
- 22. **WARNING!** The warnings and cautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

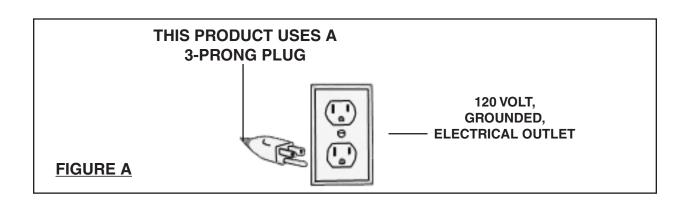
SAVE THESE INSTRUCTIONS

GROUNDING

Improperly connecting the grounding wire can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

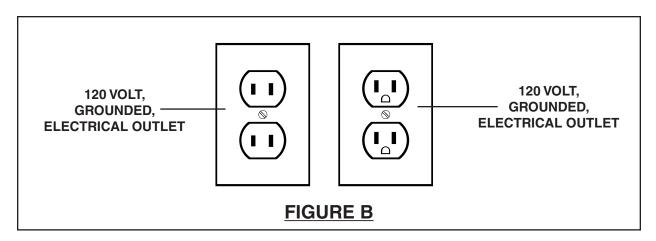
GROUNDED TOOLS: TOOLS WITH THREE PRONG PLUGS

- 1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See Figure A.)
- 2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. **(See Figure A.)**
- 3. Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. (See Figure A.)



DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS

- 1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. (See Figure C.)
- 2. Double insulated tools may be used in either of the 120 volt outlets shown in the following illustration. (See Figure B.)



EXTENSION CORDS

- 1. *Grounded* tools require a three wire extension cord. *Double Insulated* tools can use either a two or three wire extension cord.
- As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. (See Figure C, <u>next page.</u>)
- 3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. (See Figure C.)
- When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required.
 (See Figure C.)
- 5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. (See Figure C.)
- 6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.

- 7. Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
- 8. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120 OR 240 VOLT)					
NAMEPLATE AMPERES	EXTENSION CORD LENGTH				
(At Full Load)	25 Feet	50 Feet	75 Feet	100 Feet	150 Feet
0 - 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-
FIGURE C	* Based on I	imiting the line 150% of the ra	voltage drop to ated amperes.	o five volts at	

SYMBOLOGY

	Double Insulated
	Canadian Standards Association
(h)	Underwriters Laboratories, Inc.
V~	Volts Alternating Current
A	Amperes
n ₀ xxxx/min.	No Load Revolutions per Minute (RPM)

UNPACKING

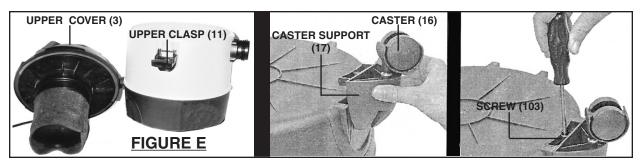
When unpacking, check to make sure all the parts shown on the **Parts List on page 14** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

ASSEMBLY INSTRUCTIONS

CAUTION! Always make sure the Power Switch (2) of the Vacuum Blower is in its "**OFF**" position and the tool is unplugged from its electrical outlet prior to assembling the tool, adding any accessories, or making adjustments to the tool.

To Attach The Wheel Casters:

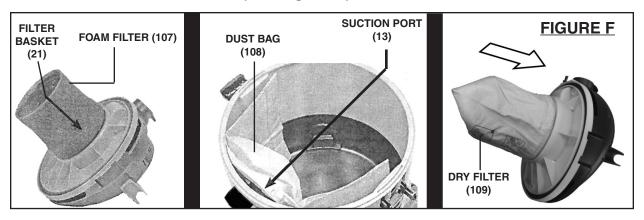
- 1. Open the Upper Clasps (11) located on each side of the Tank (15). Then lift and remove the Upper Cover (3) from the Vacuum Blower. Then, turn the Tank upside down. (See Figure E.)
- 2. Firmly insert one Caster (16) into each of the four Caster Supports (17). **(See Figure E.)**
- 3. Insert the four Caster Supports (17) into the slots located at the bottom of the Tank Base (18). Then secure the Caster Supports to the Tank Base, using one Screw (103) for each Caster Support. **(See Figure E.)**
- 4. Turn the Tank (15) right side up so that it rests upon its four Casters (16).



To Install A Foam Filter, Dust Bag, Or Dry Filter:

- 1. Open the Upper Clasps (11) located on each side of the Tank (15). Then lift and remove the Upper Cover (3) from the Vacuum Blower. **(See Figure F.)**
- The Foam Filter (107) is used only for wet vacuuming. To install the Foam Filter, insert the Foam Filter over the Filter Basket (21). Then, replace the Upper Cover (3) onto the Vacuum Blower. (See Figure F.)

- 3. The Dust Bag (108) is used only for **dry** vacuuming. To install the Dust Bag, insert its opening over the portion of the Suction Port (13) protruding from within the Tank (15) of the Vacuum Blower. Then, replace the Upper Cover (3) onto the Vacuum Blower. **(See Figure F.)**
- 4. The Dry Filter (109) is used only for **dry** vacuuming. To install the Dry Filter, first make sure that the foam filter is clean, dry, and in place over the filter basket. Then, slide the Dry Filter over the Filter Basket (21). Then, replace the Upper Cover (3) onto the Vacuum Blower. **(See Figure F.)**



OPERATING INSTRUCTIONS

<u>To Vacuum:</u>

 Connect the larger end of the Hose (110) to the Suction Port (13) of the Vacuum Blower. Next, connect one or more Extension Wands (105) to the smaller end of the Hose. Then, depending on the job at hand, connect the Crevice Tool (106) or Floor Nozzle (104) to the Extension Wand. (See Figure G, page 13.)

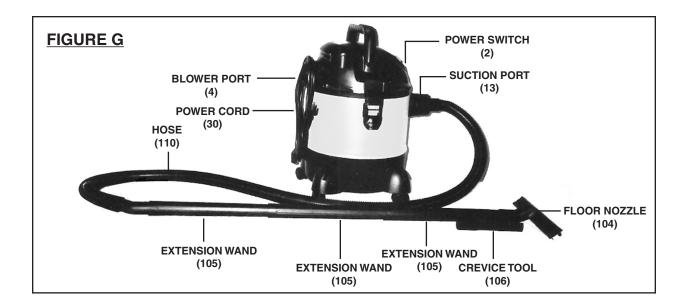
2. **NOTE:**

- A. Use the Extension Wands (105) to reach inaccessible spots and to eliminate bending over to clean low areas.
- B. Use the Crevice Tool (106) to vacuum hard-to-reach areas.
- C. Use the Floor Nozzle (104) to vacuum upholstery, carpet, and floor mats of your vehicle's interior.
- 3. Make sure the Power Switch (2) of the Vacuum Blower is in its "**OFF**" position.
- 4. Plug the unit's Power Cord (30) into the nearest 120 volt, grounded, electrical outlet. **(See Figure G, <u>next page.)</u>**
- 5. Then turn the Power Switch (2) of the Vacuum Blower to its "**ON**" position to begin vacuuming. **(See Figure G.)**

- 6. **IMPORTANT:** If wet vacuuming, make sure to turn off and unplug the unit *frequently* during use. Remove the Upper Cover (3) and empty the water in the Tank (15). Once empty, replace the Upper Cover onto the Tank. Plug the unit's Power Cord (30) back into its electrical outlet, and turn on the unit to resume vacuuming. **NOTE:** The unit has a built-in float valve which, when the Tank becomes full of water, will automatically turn off the unit. To restart the unit, follow the instructions previously mentioned above.
- 7. When finished vacuuming, turn the Power Switch (2) to its "**OFF**" position. Then, disconnect the Power Cord (30) from its electrical outlet. **(See Figure G.)**

To Use As A Blower:

- 1. **CAUTION!** Never use the Floor Nozzle (104) or Crevice Tool (106) when using the unit as a *blower*. (See Figure G.)
- 2. **IMPORTANT:** Before using the unit as a blower, make sure to remove the Foam Filter (107), Dust Bag (108), and Dry Filter (109) from the Filter Basket (21) and Suction Port (13). Failure to do so may overheat and damage the Motor. (See Figure F.)
- Connect the larger end of the Hose (110) to the Blower Port (4) of the unit. Next, connect one or more Extension Wands (105) to the smaller end of the Hose.
 (See Figure G.)
- 4. Plug the unit's Power Cord (30) into the nearest 120 volt, grounded, electrical outlet. **(See Figure G.)**
- 5. Then turn the Power Switch (2) of the Vacuum Blower to its "**ON**" position to begin blowing. **(See Figure G.)**
- 6. When using the unit as a blower, **DO NOT** aim the Hose (110) or Extension Wands (105) toward yourself or another person. **(See Figure G.)**
- When finished using the unit as a blower, turn the Power Switch (2) to its "OFF" position. Then, disconnect the Power Cord (30) from its electrical outlet. (See Figure G.)



INSPECTION, MAINTENANCE, AND CLEANING

- 1. **WARNING!** Make sure the Power Switch (2) of the Vacuum Blower is in its "**OFF**" position and the tool is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
- Before each use, inspect the general condition of the Vacuum Blower. Check for misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, plugged Hoses or suction/blower Ports, and any other condition that may affect safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. <u>Do not use damaged equipment.</u>
- 3. **After each use,** empty the Tank (15) of the unit and check to make sure the Foam Filter (107), Dust Bag (108), or Dry Filter (109) being used is cleaned and/or emptied.
- 4. **To clean the exterior parts of the Vacuum Blower and its accessories,** use only a clean cloth and mild detergent. Do not immerse any electrical part of the Vacuum Blower in any liquids.
- 5. **CAUTION!** All maintenance, service, or repairs not mentioned in this manual must only be performed by a qualified service technician.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESS-LY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARIS-ING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

TROUBLESHOOTING

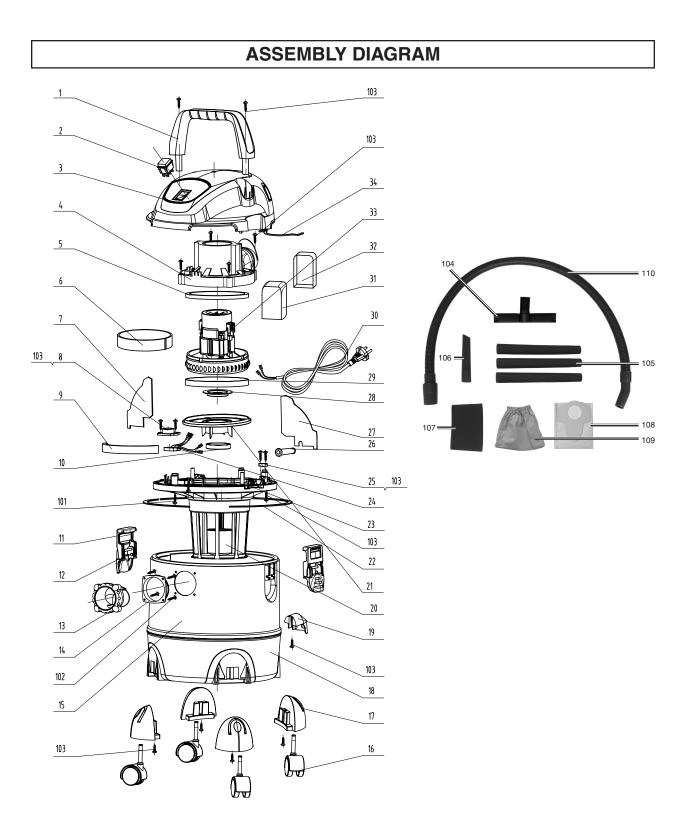
Problem	Possible Solution
Power switch does not turn unit on.	 Make sure power plug is plugged into a working, 120 volt, grounded, electrical outlet. Tank full of water. Empty tank. Have a qualified service technician check out the power switch, wiring, and motor.
Unit shuts down while in use.	1. Prolonged use may cause temporary overheating of motor. Turn unit off, and allow unit to cool down before restarting.
Unit has suction, but does not clean when hose or other attachments are connected.	 Hose and/or attachment may be cracked or damaged. Replace hose and/or attachment. Hose and/or attachment may be clogged. Remove hose and attachment from suction port and connect to blower port. Then, blow out the hose and attachment.
Unit has no suction.	1. Thoroughly clean suction/blower ports, foam filter, and dust bag.
Dust comes from the motor cover.	1. Dust bag missing or damaged. Install or replace dust bag.

Part	Description
1	Handle
2	Power Switch
3	Upper Cover
4	Blower Port
5	Seal
6	Anti-Noise Foam
7	Air Block Board
8	Press Board
9	Waterproof Foam
10	Seal Ring
11	Clasp (Upper Part)
12	Clasp (Lower Part)
13	Suction Port
14	Suction Seat Press Board
15	Tank

PARTS LIST

Part	Description
16	Caster
17	Caster Support
18	Tank Base
19	Cord Hook
20	Valve
21	Tray
22	Seal
23	Lower Cover
24	Inductor & Capacitor Set
25	Cord Anchor
26	Cable Sleeve
27	Air Block Board
28	Fence
29	Foam
30	Power Cord

Part	Description
31	Air Outlet Foam
32	Air Outlet Foam Support
33	Motor Set
34	Sealing
101	Screw (ST4.2 x 16)
102	Screw (ST4.2 x 14)
103	Screw (ST4.2 x 16)
104	Floor Nozzle
105	Extension Wand (x3)
106	Crevice Tool
107	Foam Filter
108	Dust Bag
109	Dry Filter
110	Hose



NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

SKU 94282

For technical questions, please call 1-800-444-3353

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